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Operation Plan: Permit No. 42-05T

<b>APPROVED</b>	
<b>DIVISION OF WASTE MANAGEMENT</b>	
<b>SOLID WASTE SECTION</b>	
<b>Date</b> <u>5/15/2012</u>	<b>By</b> <u>Patricia M. Backus</u>
<b>DIN</b> <u>16614</u>	
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<b>Permit <u>42-05T</u> Permit DIN <u>16615</u></b>	

# OPERATION PLAN



Weldon Waste Transfer Facility

Permit # 42-05T

**WASTE INDUSTRIES, LLC**

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## **OPERATION PLAN**

**Waste Industries, LLC  
Solid Waste Transfer Station  
Weldon, North Carolina  
May 1, 2012**

### **I. INTRODUCTION**

The purpose of this plan is to describe the operations of and provide general instructions for Waste Industries, LLC to properly operate the Transfer Station in accordance with North Carolina Solid Waste Management Rules. Waste Industries, LLC is the owner of Transfer Station located at 2211 Highway 301, Halifax, NC 27839. Operation of the facility tipping floor is currently contracted out to First Tee Transport, LLC while Waste Industries operates scales and maintains records. Contractor and/or Waste Industries actions shall be guided by this plan. This plan specifically addresses requirements of North Carolina Solid Waste Management Rules Section .0402 – Operational Requirements.

### **II. SECTION 0402 COMPLIANCE**

#### **A. OPERATION PLAN**

The transfer station is operated in accordance with the approved operations plan and conditions of the Solid Waste Permit (42-05T) issued by the North Carolina Division of Waste Management (NC DWM). The transfer station occupies approximately 9.14 acres in an area zoned by the Town of Weldon as L1-Heavy Industrial. Facility operations are consistent with the requirements of the L1 Zoning District.

Collection vehicles delivering municipal solid waste from the operation of residential, commercial, industrial, governmental, or institutional establishments and recyclable materials to the facility will enter the facility via the main entrance off Highway 301 and are required to be weighed via the scales. At no times shall incoming vehicles waiting in line be allowed to block traffic on public highways.

After weights have been recorded the scale house operator directs vehicles to continue along the access road until reaching the tipping building apron at the Transfer Station. The tipping building apron provides access to the north side of the Transfer Station, which opens to the 5,940 square ft. tipping floor where waste shall be deposited as directed by an attendant. The tipping building has 4-ft. high push walls running along the east and west sides with a 10-ft. high push wall along the rear interior wall.

Waste is lifted over the walls on either side of the tipping floor by a loader and placed into open top trailers designed to haul Municipal Solid Waste (MSW). Trailers are

parked in 14.5 ft. wide by 55 ft. deep covered loading bays. The tipping floor normally has sides dedicated to different types of waste. The east end of the tipping floor is for MSW loads containing household waste and the west end accepts comingled recyclable loads. During times of high MSW volume the west end may be used to load MSW in lieu of recyclables. MSW and comingled recyclables shall remain when both are present. All transfer trailers hauling waste from the facility are required to weigh using the above ground scales prior to leaving the facility.

The Transfer Station attendant directs vehicles, waiting to unload, to back into the facility through the north entrance. Adequate area is available in front of the Transfer Station for drivers to queue their vehicles into a backing maneuver. The vehicles shall back onto the tipping floor to an area designated by the attendant. Once vehicle is in position the waste load shall be discharged directly onto the tipping floor. A spotter shall inspect the discharged waste before it is mixed with other waste on the tipping floor. All waste shall stay in the covered area of the Transfer Station. After depositing waste vehicles that do not have tare weights previously recorded are required to exit via the outbound scale. Directional signals aid the flow of traffic.

## **B. RECEIVABLE WASTE**

Accepted waste is generated by residents, municipalities, industries, businesses, and other entities within counties listed in Table 1.

**Table 1: Service Area**

<b>Counties Serviced</b>	
Halifax County, NC	Martin County, NC
Warren County, NC	Bertie County, NC
Franklin County, NC	Hertford County, NC
Nash County, NC	Northampton County, NC
Edgecombe County, NC	Vance County, NC
Southampton County, VA	Greensville County, VA
Brunswick County, VA	Sussex County, VA

The transfer station shall only accept waste for which it is permitted to receive, not accepting hazardous or liquid waste, asbestos, or other wastes prohibited by the final disposal facility. The primary sites for final disposal of the waste are the East Carolina Environmental MSW landfill (Permit #08-03) at 1922 Republican Road, Aulander NC, 27805 and Brunswick Waste Facility (Sanitary Landfill Permit #583) at 107 Mallard Crossing Road, Lawrenceville, VA 23868. Sampson County Landfill (Permit #82-02) shall be the secondary landfill in case of emergency. The NC DWM will be notified of any changes in disposal site.

Two loads of waste are picked and screened at random daily. Screening takes place on the station floor to evaluate contents. When operating personnel are in doubt as to

contents, and upon receiving suspicious wastes or waste from a new hauler or customer, the contents shall be inspected. Random inspection form (Appendix B) shall be filled out and kept on file in scale office for all waste screenings. Barrels and drums shall not be accepted unless they are empty, have been inspected, and are perforated to ensure that no liquid or hazardous waste is contained therein. A report is prepared for any attempted delivery of waste of which the transfer station is not permitted to receive, including from outside the permitted service areas. This report is submitted to:

Department of Environmental and Natural Resources  
NC Division of Waste Management  
Solid Waste Section  
1646 Mail Service Center  
Raleigh, North Carolina 27699-1646  
(919) 707-8200

### **C. WASTEWATER DISPOSAL AT THE TRANSFER STATION**

Ponded water is prevented from coming into contact with discharged waste and leachate is contained and properly discharged. The tipping floor and transfer trailer staging area will be cleaned at the end of each operating day removing all MSW from the tipping floor. The current design directs water towards the east and west sides into the trailer loading areas through drain holes in push walls. The wastewater is then directed to drains located at lowest point of each trailer loading area. A raised “speed bump” at the entrance prevents leachate from leaving the front of the station. From the loading area drains, wastewater and leachate is directed into two oil/grit/water separators by pipe and then pumped after separation into the local sewer system. Local sewer system is serviced by the Town of Weldon Wastewater Treatment Plant. The oil/grit/water separators and the pump station are inspected monthly and inspection results are documented and retained on-site (Section VI).

The facility will be cleaned down daily. Walls, beams, and spaces behind retaining walls shall be kept clean. The floor will be washed down as warranted to prohibit nuisance conditions. Grates and traps located at the floor drain inlets will be cleaned frequently and after wash down. Waste and debris collected from the floor drains and grates will be disposed of properly. Care will be taken not to allow wash water to leave the confines of the building.

### **D. FIRE CONTROL**

In the event of a large fire the Weldon Fire Department will be notified for immediate response. The Transfer Station is equipped with fire extinguishers in various locations throughout the building for containment or control of incipient fires.

In case of fire, immediately contact the Weldon Fire Department. Weldon has 911 services to report fires and other emergencies. One stand pipe is located in the Northwest corner of the transfer station. All personnel at the facility should be familiar with the use

of fire extinguishers on site. Fire extinguishers should be routinely inspected and serviced and operated in accordance with manufacturer's instructions. In accordance with 13B.0505(10)(c) NC DWM shall be notified verbally of any fires within 24 hours and follow up written notification utilizing the Fire Occurrence Report (Appendix A) shall be submitted within 15 days.

Submit notification to:

Department of Environmental and Natural Resources  
NC Division of Waste Management  
Solid Waste Section  
1646 Mail Service Center  
Raleigh, North Carolina 27699-1646  
(919) 707-8200

### **E. DISEASE AND VECTOR CONTROL**

Effective vector control measures shall be provided for the protection of human health and the environment. Disease vectors are defined as any rodent, flies, mosquitoes, or other animals, including insects, capable of transmitting disease to humans. Control of disease vectors will be maintained by implementation of a daily cleaning program, which involves removal of MSW, leachate and wash water from the facility operating areas. The removal of MSW and comingled recyclables at the end of each operating day shall protect against migration of vectors into and from the Transfer Station. Wash water shall be used to keep the tipping floor and drive-thru areas clean and free from rodents, flies and other animals. The facility may also use deodorizers and paint as needed to accomplish these goals. Stagnant ponding water shall be prevented from occurring to control mosquito breeding. If problems controlling disease vectors occur county mosquito control or a licensed exterminator shall be employed to control vectors.

Full or partially filled haul trailers will be covered if left on site overnight. MSW storage on site shall not exceed 48 hours. Comingled recyclables may remain on site in a covered trailer until a full transfer load is obtained. Material shall not be stored on the Transfer Station floor overnight. The open front entrance to the Transfer Station and two large ventilation fans at the rear will allow adequate ventilation of the station. All dumped waste shall be contained in the building either in the waiting transfer trailer or on the floor.

The large exhaust fans should reduce nuisance odors and mitigate vector problems. The Transfer Station concrete floor should be cleaned at the end of operations each day. Any wastes that have increased the potential for attracting flies, rodents and other insects or vermin shall be disposed of in the transfer trailer as soon as possible. Under normal operating conditions, the station will be free of unconfined solid waste at the end of each day. Solid waste shall not be stored on the Transfer Station floor overnight.

### **F. EQUIPMENT**

The Transfer Station shall utilize the following equipment for regular operation and maintenance:

- 110 cubic yard transfer trailers with covers supplied as needed by contractor
- Road Tractors supplied as needed by contractor
- Axle scales and software
- Large rubber-tired front end loader
- Site tractor for staging transfer trailers

In the event of equipment failure equipment may be rented to continue normal operations.

#### **G. CONTROL OF WIND BLOWN WASTE**

All incoming vehicles with waste are required to have their loads tarp upon arrival at the site or be fully enclosed. Outbound transfer trailers are also required to tarp their loads. Throughout the day and at the end of each day, facility personnel will police the area for any windblown litter. Since the Transfer Station is enclosed on three sides, windblown trash should not be a major operational concern. Any windblown trash discovered at the end of an operating day shall be collected and stored in a transfer trailer vehicle or an on-site trash bin.

#### **H. EROSION CONTROL REQUIREMENTS**

Erosion and off-site migration of sediment is controlled by the presence of drainage ditches along the north and east property boundaries. These ditches discharge into a sediment trap at the northeast corner of the transfer station property. A swale along the west property boundary collects runoff and directs flow through a check dam followed by a rip-rap dissipater. Additional details are provided in the facility construction plans.

#### **I. SIGN REQUIREMENTS**

Signs are posted at the Transfer Station entrance indicating operational procedures, hours of operation, tipping fee, and permit number. Signs shall be clearly posted stating there are no hazardous or liquid waste received at this location. Traffic signs and markers shall be provided as necessary to promote an orderly traffic pattern to and from the discharge area to maintain efficient operating conditions.

#### **J. OPEN BURNING OF WASTE**

Open burning of waste shall be prohibited at the Transfer Station.

#### **K. ATTENDANT**

Waste Industries Transfer Station shall have a fulltime facility/scale operator located in the scale house during operating hours. In addition, a Transfer Station Attendant shall be at the facility at all times during operating hours. Both the Scale Operator and Transfer Station Attendant are responsible for verifying that all vehicles comply with the permitted operational requirements.

Attendant and/or operator shall maintain certification, NC-SWANA Certified Transfer Station Operations Specialist. Additional safety training is conducted monthly as required by Waste Industries Safety Policy. Material is generated by the corporate office and classroom instruction is given by a supervisor monthly. Topics include but are not limited to Hearing Conservation, Blood Borne Pathogens, PPE, Hazard Communications, Lock Out Tag Out, and Fire Safety.

#### **L. ACCESS AND SECURITY**

The Transfer Station shall be secured by means of gates, chains, berms, fences, and other security measures approved by the Division of Waste Management to prevent unauthorized entry. All vehicles delivering waste to the Transfer Station will enter and exit through the existing access control gate. Unauthorized vehicle access to the facility is prevented by a chain-link fence surrounding the Waste Industries Facility.

#### **M. ACCESS ROADS**

Access roads for the Waste Industries Transfer Station are constructed of an all-weather surface (asphalt or concrete) and shall be maintained in good condition. Potholes, ruts, and debris on the roads shall receive immediate attention in order to avoid damage to the vehicles. Access roads shall be re-graded as necessary to maintain positive slope for adequate drainage.

### **III. CONTACTS**

The appropriate person in responsible charge to contact is the station manager/operator:

Primary: Chris Williams, General Manager, Weldon, NC                      Waste Industries  
(252) 578-2149 (cell)

Secondary: Mark Myers, Division Manager, Eastern Division              Waste Industries  
(252) 567-5550 (cell)

Other contacts:

Thomas Winstead, Area VP, Wilson, NC                                      Waste Industries  
(252) 293-4474 (work)

Ralph Ford, Director of EHS, Raleigh NC                                      Waste Industries  
(919) 877-7532

#### **IV. HOURS OF OPERATION**

Waste Industries intends to staff the facility 65 hours per week. The Transfer Station will be closed for the observance of holidays as established in the vicinity. The operating hours will normally be as follows:

Monday thru Friday	6:00 AM until 8:00 P.M
Saturday	7:00 A.M until 12:00 P.M
Sunday	Closed

These hours may be changed from time to time depending on conditions or as may be dictated by the clients to be serviced.

#### **V. PERMIT AND RECORDS**

Standard weigh tickets record ticket number, date & time, gross weight, tare weight, net weight, vehicle number, customer ID, destination landfill, county of origin, and type material. The driver and weigh master sign or initial each ticket.

In addition to weigh tickets and invoices, the Waste Industries operator will maintain an operating log. Items to be noted and kept in the operating log will include but not be limited to the following items.

- Solid Waste Permit
- Operation Plan
- Inspection Reports
- Record Drawings of the Facility
- Waste Determination Records and Information on Rejected Waste.

#### **VI. PUMP & OIL/GRIT/WATER SEPARATOR INPECTION RECORDS**

Documents on the following pages shall be reproduced as necessary to log inspections on site.









**WELDON WASTE TRANSFER FACILITY**  
**WASTE INDUSTRIES, LLC**  
PERMIT NO. 42-05T

2211 Highway 301  
Halifax, NC 27839

**Appendix A**

**Copy of Fire Occurrence Report available at**

**<http://portal.ncdenr.org/web/wm/sw/forms>**

**SOLID WASTE MANAGEMENT FACILITY  
 FIRE OCCURRENCE NOTIFICATION  
 NC DENR Division of Waste Management  
 Solid Waste Section**



Notify the Section verbally within 24 hours and submit written notification within 15 days of the occurrence.  
*(If additional space is needed, use back of this form.)*

NAME OF FACILITY: \_\_\_\_\_ PERMIT # \_\_\_\_\_

DATE AND TIME OF FIRE: \_\_\_\_\_ @ \_\_\_\_\_

HOW WAS THE FIRE REPORTED AND BY WHOM:  
 \_\_\_\_\_

LIST ACTIONS TAKEN:  
 \_\_\_\_\_

WHAT WAS THE CAUSE OF THE FIRE:  
 \_\_\_\_\_

DESCRIBE AREA, TYPE, AND AMOUNT OF WASTE INVOLVED:  
 \_\_\_\_\_

WHAT COULD HAVE BEEN DONE TO PREVENT THIS FIRE:  
 \_\_\_\_\_

DESCRIBE PLAN OF ACTIONS TO PREVENT FUTURE INCIDENTS:  
 \_\_\_\_\_

NAME: \_\_\_\_\_ TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_

\*\*\*\*\*  
 THIS SECTION TO BE COMPLETED BY SOLID WASTE SECTION REGIONAL STAFF  
 DATE RECEIVED \_\_\_\_\_  
 List any factors not listed that might have contributed to the fire or that might prevent occurrence of future fires:  
 \_\_\_\_\_

FOLLOW-UP REQUIRED:  
 NO     PHONE CALL     SUBMITTAL     MEETING     RETURN VISIT    BY: \_\_\_\_\_ (DATE)

ACTIONS TAKEN OR REQUIRED:  
 \_\_\_\_\_

**Appendix B  
Random Inspection Report**

**Date:** \_\_\_\_\_ **Time in:** \_\_\_\_\_ **Time Out:** \_\_\_\_\_

**Inspector:** \_\_\_\_\_ **Title:** \_\_\_\_\_

**Transporter:** \_\_\_\_\_

**Truck Type:** \_\_\_\_\_ **Volume:** \_\_\_\_\_ **Truck #:** \_\_\_\_\_

**Waste Description:** \_\_\_\_\_

\_\_\_\_\_

**Are any of the following in the load?**

	Yes	No		Yes	No
<b>Liquids</b>	_____	_____	<b>Haz. Waste</b>	_____	_____
<b>Drums</b>	_____	_____	<b>Hospital Mat.</b>	_____	_____
<b>Transformers</b>	_____	_____	<b>Oily Waste</b>	_____	_____
<b>Tires</b>	_____	_____	<b>Batteries</b>	_____	_____
<b>Sludge</b>	_____	_____	<b>Other, Explain</b>	_____	_____

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Explain any YES answers:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Actions Taken:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_